



HEALTH AFFAIRS

OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE
WASHINGTON, DC 20301-1200

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MEMORANDUM FOR DEPUTY SURGEON GENERAL OF THE ARMY
DEPUTY SURGEON GENERAL OF THE NAVY
DEPUTY SURGEON GENERAL OF THE AIR FORCE
PROGRAM EXECUTIVE OFFICER MILITARY HEALTH
SYSTEM JOINT MEDICAL INFORMATION SYSTEMS
OFFICE
DIRECTOR NETWORK OPERATIONS DIVISION
INFORMATION MANAGEMENT, TECHNOLOGY &
REENGINEERING
CHIEF ENTERPRISE ARCHITECT, MILITARY HEALTH
SYSTEMS

SUBJECT: Military Health System Minimum Server Hardware Guidance

This memorandum supersedes the "Military Health System (MHS) Minimum Server Hardware Guidance," dated July 2, 2004. It establishes Office of the Assistant Secretary of Defense (Health Affairs) guidance for minimum Server hardware requirements. This guidance was developed, coordinated and approved by the MHS Technical Integration Working Group.

All new servers or upgrades acquired using Defense Health Program funding must satisfy minimum requirements stipulated in attachment, MHS Minimum Server Configuration. Furthermore, all acquisitions should be compliant with DoD Memorandum, "Internet Protocol Version 6 (IPv6) Interim Transition Guidance," dated September 29, 2003. Industry technical advisors recommend planning a three-to-four year replacement strategy for servers.

This configuration is designed to satisfy the requirements of most common use servers such as print, file and e-mail servers while being adequately scalable to satisfy more robust processing requirements. For application servers hosting centrally managed systems, it is the responsibility of the Program Manager to specify a configuration which will provide adequate performance under anticipated user loads. The MHS Minimum Server Configuration can be exceeded, when necessary, to meet specific needs. Server-sizing assistance may be requested from the Tri-Service Information Management Program Office.

Should you require additional information, please contact the Office of Technology Management, Integration and Standards at (703) 681-6779 or tmisweb@tma.osd.mil.

A handwritten signature in black ink, appearing to read 'C. E. Hendricks', with a stylized flourish at the end.

Carl E. Hendricks
Chief Information Officer
Military Health System

Attachment:
As stated

Military Health System (MHS) Minimum Server Configuration

| ITEM | MINIMUM CONFIGURATION |
|--|--|
| Operating System | IAW MHS Operating System Guidance |
| Processor | Dual Intel (or equivalent) |
| Processor Speed | 2.8 GHz |
| Data Path Width | 32 bits |
| BIOS | Flash upgradable, Plug-n-Play compatible |
| L2 Cache | 1 MB |
| Power Supply | 110/240 Universal Switchable |
| EPA Energy Star Compliant | Yes |
| RAM – Initial | 1 GB |
| RAM – Expanded | 4 GB |
| *Hard Drive | 3 drives, 18 GB each. (RAID 5 recommended for critical use servers) |
| *Disk Controller | SATA, SCSI-3 (ultra-wide caching) or SCSI Ultra 160 |
| Video Controller: Type Video RAM Resolution | PCI 16 MB 1280 x 1024 pixels, 64-bit |
| Network Interface Card: Support Compatibility | Driver support for Windows 2000 or 2003 10/100 Mb/s Ethernet Tx SNMP IP and Plug-‘n-Play |
| Expandability: PCI Expansion Slots PC- Card Slots External Expansion Bays | 6 2 PCI express 4 PCI/PCI-X 2 (tower only requirement) |
| Serial Ports | 2 (16550A UART or USB) |
| * Floppy Drive | 1, 3.5 In., 1.44 MB |
| * CD-ROM Drive | ISO 9660 compliant |
| * Video Monitor Size | Color 17 inches **Optional based on system requirements |
| * Parallel Ports | 1 (AT type, EPP, or ECP) |
| * Pointing Device | Wheel Mouse |
| * Tape Drive Storage Capacity | 4 mm digital audio tape (DAT) 20 GB |
| * UPS (Uninterruptible Power Systems) | Optional based upon existing UPS capacity/requirements |

Note: Optional based on technical requirements